

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application:

Application No.:

Patent No.:

Filed:

Issue Date:

Title:

Commissioner for Patents  
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
**(REVOCATION OF PRIOR POWERS)**

As assignee of record of each of the patent applications listed in the table of attachment A,

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

all powers of attorney previously given in each of the listed patent applications are hereby revoked, and

**NEW POWER OF ATTORNEY**

the following attorneys/agents are hereby appointed to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: I hereby appoint all attorneys of Thomas, Kayden, Horstemeyer & Risley, LLP, who are listed under the USPTO Customer Number shown below as the attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Thomas, Kayden, Horstemeyer & Risley, LLP, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number:

**15650**

Patent Trademark Office

Please direct all future correspondence and telephone calls to:

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**ASSIGNEE OF ENTIRE INTEREST**

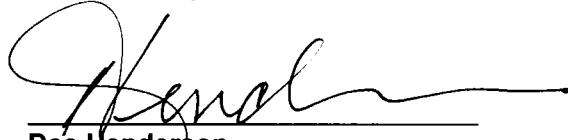
**BROADCOM CORPORATION**

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**ASSIGNEE CERTIFICATION**

The certification under 37 C.F.R. §3.73(b) establishing the right of assignee to take action is attached hereto along with documentation evidencing same. Further, in my official position with Broadcom Corporation, I am authorized to sign documents and otherwise act on its behalf in connection with the management and handling of patent applications and other intellectual property matters.

Date: 9/13/11

  
**Dee Henderson**  
Director - Intellectual Property Administration  
Broadcom Corporation

### Attachment A

No.	Serial No	Broadcom No./TKHR	Application Title	Filing Date	Broadcom Assignment (Reel/Frame)
1	12/017,314	BU1008C3 050227-7670	APPARATUS FOR, AND METHOD OF, PROCESSING SIGNALS TRANSMITTED OVER A LOCAL AREA NETWORK	01/21/08	011066/0118
2	10/282,447	BU1017D1 050227-7680	Startup protocol for high throughput communications systems	10/29/02	009211/0933
3	10/979,353	BU1082C1 050227-7690	Pair-swap independent trellis decoder for a multi-pair gigabit transceiver	11/02/04	010522/0499
4	11/459,815	BU1139D2C2 050227-7700	SYSTEM AND METHOD FOR DETECTING A DEVICE REQUIRING POWER	07/25/06	010868/0866
5	12/268,036	BU1203C1 050227-7710	GRAPHICS DISPLAY SYSTEM WITH GRAPHICS WINDOW CONTROL MECHANISM	11/10/08	010625/0771
6	12/961,096	BU1233.1C3 050227-7720	Video and Graphics System with an MPEG Video Decoder for Concurrent Multi-Row Decoding	12/06/10	011581/0971
7	12/642,609	BU1233.6C4 050227-7730	VIDEO AND GRAPHICS SYSTEM WITH PARALLEL PROCESSING OF GRAPHICS WINDOWS	12/18/09	011583/0685
8	12/235,156	BU1233.8C1 050227-7740	VIDEO AND GRAPHICS SYSTEM WITH AN INTEGRATED SYSTEM BRIDGE CONTROLLER	09/22/08	011583/0685
9	8,022,966	BU1233C3 050227-7750	VIDEO, AUDIO AND GRAPHICS DECODE, COMPOSITE AND DISPLAY SYSTEM	12/30/09	010643/0928
10	12/876,807	BU1247C2D3 C2 050227-7760	METHOD AND DEVICE FOR MULTI-DIMENSIONAL PROCESSING USING A SINGLE-STATE DECISION FEEDBACK EQUALIZER	09/07/10	010694/0029
11	10/763,087	BU1266C2D2 050227-7770	Graphics display system with unified memory architecture	01/22/04	010689/0710
12	12/260,929	BU1268IC3 050227-7780	VOICE AND DATA EXCHANGE OVER A PACKET BASED NETWORK WITH TIMING RECOVERY	10/29/08	010818/0778
13	11/274,438	BU1272C1 050227-7790	System and method for providing compatibility between different transceivers in a multi-pair communication system	11/15/05	012458/0191
14	12/693,279	BU1333C2 050227-7810	VOICE AND DATA EXCHANGE OVER A PACKET BASED NETWORK WITH VOICE DETECTION	01/25/10	019047/0095
15	11/340,400	BU1358C1 050227-7820	Voice and data exchange over a packet based network	01/25/06	010964/0645
16	11/650,799	BU1358C2 050227-7830	Voice and data exchange over a packet based network	01/08/07	010964/0645
17	10/824,904	BU1428C1	Method and system for reducing overflows in a	04/14/04	011572/0759

No.	Serial No	Broadcom No./TKHR	Application Title	Filing Date	Broadcom Assignment (Reel/Frame)
		050227-7840	computer graphics system		
18	12/326,613	BU1434C2 050227-7850	LATE FRAME RECOVERY METHOD	12/02/08	012818/0848
19	11/616,681	BU1604C1 050227-7860	SYSTEM AND METHOD FOR PERSONAL VIDEO RECORDING	10/09/01	012260/0750
20	12/034,327	BU1803.1C1 050227-7870	DIGITAL VISUAL INTERFACE WITH AUDIO AND AUXILIARY DATA	02/20/08	012917/0176
21	11/608,998	BU1805.1C1 050227-7880	HIGH PERFORMANCE EQUALIZER WITH ENHANCED DFE HAVING REDUCED COMPLEXITY	12/11/06	012600/0177
22	10/404,387	BU2006 050227-7890	Video decoding system having a programmable variable-length decoder	04/01/03	014293/0755
23	10/114,798	BU2007 050227-7900	Video decoding system supporting multiple standards	04/01/02	012761/0381
24	12/506,778	BU2007.1C2 050227-7910	MEMORY ACCESS ENGINE HAVING MULTI-LEVEL COMMAND STRUCTURE	07/21/09	014295/0066
25	11/269,424	BU2018C1 050227-7920	Method of communicating between modules in a decoding system	11/08/05	012764/0453
26	12/033,804	BU2040.2C1 050227-7930	SYSTEM AND METHOD FOR OPERATING A PACKET VOICE FAR-END ECHO CANCELLATION SYSTEM	02/19/08	014424/0832
27	12/033,775	BU2040C1 050227-7940	PACKET VOICE SYSTEM WITH FAR-END ECHO CANCELLATION	02/19/08	013797/0648
28	10/440,938	BU2062.1 050227-7950	Method for deblocking field-frame video	05/19/03	014179/0632
29	10/786,195	BU2079 050227-7960	SIMD supporting filtering in a video decoding system	02/25/04	014620/0542
30	11/306,317	BU20812 050227-7970	METHOD AND APPARATUS FOR USING THE HOST-POD INTERFACE OF A DIGITAL TELEVISION OR OTHER DIGITAL AUDIO/VIDEO RECEIVER FOR NEW SERVICES	12/22/05	022083/0433
31	11/402,902	BU20813 050227-7980	Video receiver providing video attributes with video data	04/13/06	022083/0433
32	11/864,362	BU20830 050227-7990	INTRA MOTION PREDICTION FOR RESPONSE TIME COMPENSATION	09/28/07	022083/0433
33	11/864,391	BU20831 050228-1010	Response Time Compression Using a Complexity Value of Image Information	09/28/07	022083/0433
34	11/864,412	BU20832 050228-1020	Compression Method and Apparatus for Response Time Compensation	09/28/07	022083/0433
35	11/960,991	BU20838	Halo Artifact Removal Method	12/20/07	022083/0433

<b>No.</b>	<b>Serial No</b>	<b>Broadcom No./TKHR</b>	<b>Application Title</b>	<b>Filing Date</b>	<b>Broadcom Assignment (Reel/Frame)</b>
		050228-1030			
36	10/293,858	BU2113 050228-1040	Method and apparatus for vertical compression and de-compression of progressive video data	11/12/02	013739/0535
37	10/349,663	BU2176 050228-1050	System and method of transmission and display of progressive video with hints for interlaced display	01/22/03	013880/0035